

TEBYAKINA, Anna Yefimovna (All-Union Sci Res Inst of Antibiotics of the Min of Health USSR, city of Mos) for Doc Med Sci on the basis of dissertation defended 23 June 59 in Council of Central Inst for the Advanced Training of Physicians, entitled "Therapy and prophylaxis, <sup>of cholera infection</sup> by antibiotics... of experimental cholera infection." ~~Antibiotic treatment and prevention~~ ~~by antibiotics~~ (BMVISSO USSR, 1-61, 21)

-91-

TEBYAKINA, A.Ye.; DRUZHININA, Ye.N.

Stability of antibiotics of the tetracycline series, their various salts and medicinal forms. Antibiotiki 6 no.2:178-185 P '61.  
(MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(TETRACYCLINE)

KONDRAT'YEVA, A.P.; VAKULENKO, N.A.; TEBYAKINA, A.Y.; BRUNS, B.P.

Kinetics of the inactivation of erythromycin in aqueous solutions.  
Antibiotiki 6 no.6: 541-547 Je '61. (MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(ERYTHROMYCIN)

TEBKAKINA, A.Ye.; CHAYKOVSKAYA, S.M.; VENKINA, T.G.

Stability of dry samples of nystatin and its medicinal forms.  
Antibiotiki 6 no.6:547-551 Je '61. (ILIA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(NYSTATIN)

TEBYAKINA, A.Ye.; CHAYKOVSKAYA, S.M.

Antibiotics in combination with gamma globulin in experimental pertussis infection of chicken embryos. Antibiotiki 6 no.9:53-58 S '61. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(ANTIBIOTICS) (GAMMA GLOBULIN)  
(WHOOPING COUGH)

TEBYAKINA, A.Ye.; DRUZHININA, Ye.N.

Determining the biological activity of levomycetin (chloramphenicol)  
by the agar diffusion method. Antibiotiki 7 no.1:83-85 Ja '62.  
(MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(LEVOMYCETIN) (AGAR)

LEVITOV, M.M.; INOZEMTSEVA, I.I.; TEBYAKINA, A.Ye.; BUYANOVSKAYA, I.S.;  
SHNEYERSON, A.N.; CHAYKOVSKAYA, S.M.; KOMOKINA, Z.F.; DRUZHINNIKA, Ye.N.

New type of penicillin —  $\alpha$ -phenoxyethylpenicillin and study of  
its microbiological properties. Antibiotiki 7 no.2:104-108 F '62.  
(MIKA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(PENICILLIN)

TEBYAKINA, A.Y.; INOZENTSEVA, I.I.; EL'KINA, Z.I.; SEMICH, A.I.;  
BUYANOVSKAYA, I.S.; DRUZHININA, YE.N.

Tetracycline salts of phenoxymethylpenicillin. Antibiotiki 7 no.2:  
(MIRA 15:2)  
109-112 F '62.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(PENICILLIN) (TETRACYCLINE)

CHAYKOVSKAYA, S.M.; TEBYAKINA, A.Ye.; VENKINA, T.G.

Formation of penicillinase by Bac. cereus strain No. 569.  
Antibiotiki 7'no.4:318-321 Ap '62. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut  
antibiotikov.  
(BACILLUS CEREUS)  
(PENICILLINASE)

TEBYAKINA, A.Ye.; VAKULENKO, N.A.

Biological method for determining the activity of oleandomycin  
during its isolation and chemical purification. Antibiotiki  
7 no.4:366-369 Ap '62. (MIRA 15:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.  
(OLEANDOMYCIN)

STRUKOV, I.T.; TEBYAKINA, A.Ye.; INOZETSEVA, I.I.; KOSTROMINA, O.Ye.; KAMOKINA, Z.F.; BULANOVSKAYA, I.S.; SHNEYERSON, A.N.; CHAYKOVSKAYA, S.M.; DRUZHININA, Ye.N.

2,6-dimethoxyphenyl penicillin (methycillin) and its microbiological study. Antibiotiki 8 no.8:690-694 Ag '63. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

TEBYAKINA, A.Ye.; BUYANOVSKAYA, I.S.; CHAYKOVSKAYA, S.M.; SHNEYERSON, A.N.

Studies on the antibacterial spectrum and determination of the  
biological activity of florimycin (viomycin). Antibiotiki 8 no.10:  
901-905 0 '63. (MIRA 17:10)

1. Vsescyuznyy nauchno-issledovatel'skiy institut antibiotikov.

PANINA, M.A.; STRUKOV, I.T.; TEBYAKINA, A.Ye.; BUYANOVSKAYA, I.S.;  
SHMEYERSCH, A.N.; CHAYKOVSKAYA, S.M.; DRUZHININA, Ye.N.;  
BRAGINSKAYA, P.S.; VENKINA, T.G.

5-methyl-3-phenyl-4-isoxazole pencillin (oxacillin) and its  
microbiological study. Antibiotiki 8 no. 11:989-994 N '63.  
(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

TRIBAKOV, G. V. et DR. RINTIK, Ye. N.; MURKINA, D. V.

Determination of the biological activity of tetracycline and  
oligocardiomycin in the preparations of algaracycline. Antibiotika  
8 no. 11:1752-1765 N 1963. (114-17-9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

STRUKOV, I.T.; VIKHROVA, N.M.; NIKITINA, N.M.; TEBYAKINA, A.Ye.; BUYANOVSKAYA, I.S.; SHNEYERSON, A.N.; CHAYKOVSKAYA, S.M.

Phenoxybenzylpenicillin (phenbenicillin) and its microbiological study. Antibiotiki 9 no.1:3-7 Ja '64.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, (MIRA 18:3)  
Moskva.

CHAYKOVSKAYA, S.M.; TEBYAKINA, A.Ye.; BYCHKOVA, M.M.; ISAYEVA, G.K.

Penicillinase formation by *Bacillus cereus* 5/B strains under  
submerged fermentation conditions. Antibiotiki 9 no.2:121-  
126 F '64.

(MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,  
Moskva.

TEBYAKINA, A.Ye.; RABINOVICH, M.S.; ZHDANOVICH, Yu.V.; STRUKOV, I.T.;  
KONDRAT'YEVA, A.P.; BUYANOVSKAYA, I.S.; SHNEYERSON, A.N.;  
GRAGINSKAYA, P.S.; DRUZHININA, Ye.N.

Alpha-aminobenzylpenicillin (ampicillin) and its microbiological  
studies. Antibiotiki 9 no.5: 38-392 My '64. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,  
Moskva.

VIKHOVA, N.M.; STRUKOV, I.T.; TEBYAKINA, A.Ye.; CHAYKOVSKAYA, S.M.;  
SHNEYERSON, A.N.; DUBOVA, V.G.

Nafcillin and its microbiological properties. Antibiotiki 10  
no.1:3-9 Ja '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,  
Moskva.

PANINA, M.A.; DUBOVA, V.G.; STRUKOV, I.T.; RYABOVA, N.M.; TEBYAKINA, A.Ye.

Cloxacillin and its microbiological study. Antibiotiki 10 no.11:  
963-969 N '65. (MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov,  
Moskva. Submitted April 17, 1965.

CHAYKOVSKAYA, S.M.; TEBYAKINA, A.Ye.

Highly active penicillinase-producing strain 749/C of *Bacillus licheniformis* and some properties of penicillinase produced by it. *Antibiotiki* 10 no.11:977-982 N '65.

(MIRA 19:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva. Submitted April 16, 1965.

TEBZADZE, G.N.

*Focal surfaces of entirely stratifiable normals of the surface  
of a projective space. Trudy Mat. inst. AN Gruz. SSR 27:159-  
164 '60. (MIRA 15:3)*  
(Geometry, Differential)

TECHAROV, B.

- #240
- 33 —
- 22
- REDACTED, ~~SECRET//COMINT//REL TO USA~~, 102-26, No 7, 342  
(Continued)
29. "Reframing Of Four American Symbols From Old-Maid Perspectives,"  
T. J. KELLY and T. SHAW (Submitted by Australian  
B. FRANCIS) (English Article) pp 707-726.
  30. "The Effect of Copper Ions on the Productivity of American Pine  
Silver Pine (Pinus strobus); N. GALT (Submitted by Australian  
B. ALFRED) (English Article) pp 707-715.
  31. "Heterocyclic Compounds of Glycine and Lysine," A. A. SUDIKOFF  
and T. T. DUGGINS (Submitted by Australian A. A. SUDIKOFF)  
(English Article) pp 715-722.
  32. "The Percolation of Particles by Means of Fluorescent  
Aerometric A. S. WILSON (Submitted by Australian A. S. WILSON)  
(English Article) pp 723-735.
  33. "Photosynthesis: The Existence of a Non-photosynthetic Period in  
the Process of Plant Simulation," P. J. H. VAN DER HORST (Submitted by  
Australian H. VAN DER HORST) (English Article) pp 737-747.
  34. "The Anticarcinogenic Properties of Natural Lignins and  
Lignosaponins," G. G. GALLAGHER (Submitted to International  
Organization for the Study of Lignins) (Submitted by International  
Organization for the Study of Lignins) (English Article) pp 747-755.
  35. "The Pathogenesis of Respiratory Infection," S. P. RITTMAN (Submitted by Australian  
A. A. KARLSEN) (Submitted by Australian A. A. KARLSEN)  
(English Article) pp 757-765.
  36. "On Quantitative Biological Analysis as a Subdiscipline  
in the Computer," A. A. K. TURATTI (Submitted by Australian  
A. A. KARLSEN) (English Article) pp 765-770.
  37. "The Thermodynamics of Particles in Polymers," R. J. HEDDERSON and  
S. G. KARLSEN (Submitted by Australian A. A. KARLSEN) (Submitted by Australian  
A. A. KARLSEN) (English Article) pp 771-779.

TECHE, S.; MIHALCU, M.

New problems in rubber vulcanization with the aid of ionizing radiation  
burners. p.252

INDUSTRIA USOARA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din  
Romania si Departamentul Industriei Usoare din Ministerul Industriei  
Bunurilor de Consum)  
Bucuresti, Romania  
Vol. 6, no.7, July 1959

Monthly List of East European Accessions (EEAI) LC., Vol. 9, no.1, Jan. 1960  
Uncl.

TECHEL, J.

COUNTRY : HUNGARY.  
CATEGORY : High Molecular Chemistry.

I

ABS. JOUR. : RZKhim., No. 20, 1959, No. 73674.

AUTHOR : Techel, J.

TYPE : +

TITLE : Graft Copolymerization.

ORIG. PUB. : Plaste und Kautschuk, 1959, 6, No. 2, 73-76.

ABSTRACT : Review. Bibliography of 11 titles.

CARD: 1/1

TECHENKO N. A.

EXTRACTA MEDICA Sec C Vol 13/8 Survey August 59

4394. ANATOMICAL INVESTIGATION FOR 'ETUI-LIKE' REMOVAL OF SUB-MANDIBULAR LYMPHATICS (Russian text) - Tetschenko N. A. Post-grad. Sch. of Med., Leningrad - VOPR. ONKOL. 1958, 4/2 (199-204)

The author investigated the structure of fascial layers of the neck on 20 cadavers of adults. The presence of 2 submandibular and one submental fascial 'étui' is confirmed. These 'étuis' are formed by 2 sheets of the chief neck fascia, the sheets surrounding the submandibular lymphatics and salivary glands from all

4394

sides except the superior border where there is a special fascial formation independent of the periosteum. A complete removal of those 'étais' and their contents has a great significance in operative treatment of lower lip cancer metastases.  
(IX, 16)

TECHNIK, A.S., inzhener.

Erecting underpass bridge spans. Avt.der.19 no.8:7-8 Ag '56.  
(Underpasses) (MLRA 9:10)

TECILAZIC-STEVANOVIC, M.

Grizo, A.; Jovanovic, M.; Tecilazic-Stevanovic, M. "The influence of the electrolyte on the viscosity and plasticity of Arandjelovac clays." p. 403. (Priroda. Vol. 18, No. 6/7, 1953. Zagreb)

SU: Monthly List of East European Accessions, Vol. 3, no. 3, Library of Congress. March 1954.  
uncl.

TECILAZIC - STEVANOVIC, M.

YUGOSLAVIA / Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - General Topics.

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61649.

Author : Dejan Delic, Marija Tecilazic-Stevanovic, Nada Petrovic.

Inst : Chemical Society, Yugoslavia.

Title : Some Researches Concerning Granulometric Composition of Clays.

Orig Pub: Glasnik Hem. drustva, 1957, 22, No 4, 245 - 251.

Abstract: The purpose of the work was to find the most efficient method of determination of particle size. The direct microscopic method and 4 (indirect) methods based on the rate of settling of clayey suspension were checked by the

Card 1/2

25

YUGOSLAVIA / Chemical Technology, Chemical Products and Their Application, Part 2. - Ceramics, Glass, Binders, Concretes. - General Topics. H

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 61649.

Abstract: comparison method. The areometric method is the simplest and the time necessary to carry it out is the shortest compared with other above mentioned methods. The accuracy of results obtained with that method is about  $\pm 2\%$ .

Card 2/2

DELIC, Dejan M.; TECILAZIC-STEVANOVIC, Marija P.

Hydratation of montmorillonite homoionic forms. Glas Hem dr  
25/26 no.8/10:485-490 '60/'61.

1. Faculty of Technology, Institute of Inorganic Chemical  
Technology, Beograd.

TECLU I.

"Guarding the Republic."

p. 1 (Viata Militara) Vol. 11, no. 12, Dec. 1957  
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,  
April 1958

PIRAU, T.; IVANOF, A.; SERBAN, Doina; BARNA, V.; TOLAN, L.; TECSA, D.; SIGHETI, I.

Research on the strain lysotypy of pathogen staphylococci isolated from a group of dark type children. Microbiologia (Bucur) 6 no.1:56-57 Ja-F '61.

1. Institutul de igiena, Cluj (for Pirau, Ivanof, Serban). 2. Casa copilului, Cluj (for Barna, Tolan, Tecsa, Sigheti).

IVANOF, A.; SERBAN, D.; BARNA, B.; TOLAN, L.; SIGHETI, I.; TECSA, D.; LANGHEL, I.

Study of the efficiency of vaccine and anatoxin preventive vaccination  
in staphylococcal infections. Microbiologia (Bucur) 6 no.1:66 Ja-F '61.

1. Institutul de igiena Cluj (for Ivanof, Serban). 2. Casa copilului  
Cluj (for Barna, Tolan, Sigheti, Tecsa). 3. Sanepidul regional Cluj  
(for Lenghel).

PALOTAS, Karoly; TECSEI, Gyula

Trade-Union political schools as seen by us. Munka 13  
no.3:19 Mr '63.

1. Szakszervezetek Pest megyei Tanacsának vezető titkara (for  
Palotas). 2. EDOZ Budapesti Bizottsági titkara (for Tecsei).

TECSI, Gyula

Reorganization of the food industry and the new workshop  
councils. Munka 14 no. 1:14-15 Ja '64.

1. EDOSZ Budapesti Bizottsaga titkara.

TECSY, m.

BRIEFING

57. Application of an electronic shock protection relay in mining - M. Teesy. (Bimiszati Lapak - Vol. 9 (87), 1951, No. 1, pp. 221-222, 1 fig.)

An electronic apparatus suitable for protection against currents to earth of networks with insulated neutral points is described. In the event of leakage, the apparatus gives a light and sound signal, it also disconnects the equipment. The relay has a high neutral point resistance, thus the insulation value of the network is not affected. Due to the low

value of the tripping current to earth it can be used with excellent results at sites threatened by fires, damp. Sensitivity may be set for any value above 3 mA. Internal defects are signaled automatically.

TECU, T.

Colloidal clays and Rumanian bentonites utilized in the casting industry.  
METALURGIA SI CONSTRUCTIA DE MASINI (Metallurgy and Machine Construction.)  
1:54:Jan 55

TECU, Traian, ing.

From the realizations of the warm sectors of the 23 August  
Plants, Bucharest. Metalurgia constr mas 15 no. 8:481-482  
Ag '63.

TECU, T., ing.; ZAMFIR, V., ing.

Contributions to the reconditioning of steel drills in the Jiu  
Valley mines. Rev min 15 no.9:465-470 S '64.

STANESCU, D.; TECULESCU, D.; BULANDRA, C.; HALALAU, F.

Considerations on a case of atrial infarct. Stud. cercet. med.  
intern. 6 no.2:179-184 '65.

GOTTA, N., assistant Ing.; GRIDIN, A.; TECULESCU, S.; FLEISCHER, H.  
A new type of polishing and splint leveling machine. Ind temnului  
J4 no.3:86-89 Mr 163.

STEFUREAC, Traian I.; TECULESCU, Venera

Contributions to the knowledge of Characeae in Rumania. Studii cerc  
biol veget 13 no.2:175-201 '61.

(EEAI 10:11/12)

1. Comunicare presentata de St. Peterfi, membru corespondent al  
Academiei R.P.R.

(Characeae)

TECUSAN, N.; SANDRU, A.; POPESCU, M.; STEFAN, Const.; ILIE, E.; NITA, I.; COSMA, I.

Determining the fuel consumption in vacuum displacement of the  
U-650 tractor. Bul St si Tehn Tim 9 no.1:135-142 Ja-Je '64.

TEGZA, R.

Effect of carbon tetrachloride on hemopoietic system of the bone marrow, Acta physiol. polon. 8 no.3:548-549 1957.

l. Z Zakladu Patologii Ogolnej A M w Odansku. Kierownik: prof. dr W Szreder.

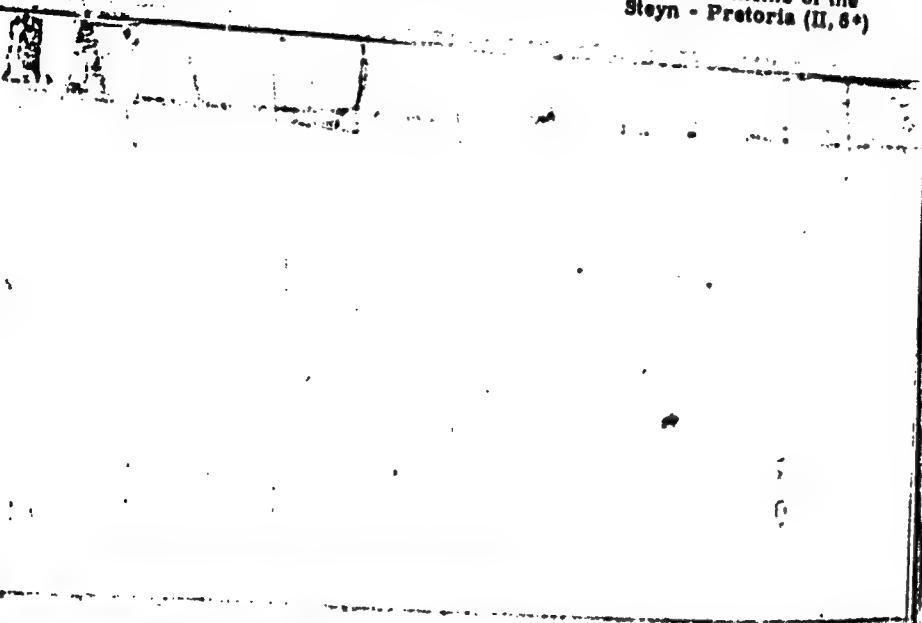
(CARBON TETRACHLORIDE, effects,  
on bone marrow hemopoietic funct. in rabbits (Pol))

(BONE MARROW, effect of drugs on,  
carbon tetrachloride on hemopoietic funct. in rabbits (Pol))

EXCERPTA MEDICA Sec 2 Vol 12/10 Physiology Oct 59

4880. EFFECT OF CARBON TETRACHLORIDE ON BONE MARROW - Wpływ czterechlorku węgla na układ krwiotwórczy szpiku - Teczka R. Zakł. Patol. Ogól. Akad. Med., Gdańsk - PAT. POL. 1958. 3/4 (367-378) Tables 6

Ten rabbits were acutely and 40 chronically poisoned with carbon tetrachloride. In acute poisoning only insignificant changes were induced in the marrow, while in the chronic cases a marked impairment of the haematopoietic elements of the marrow was noted.



JANICKI, Marian A.; KRUPA, Barbara; STOLARCZYK, Julian; TECZA, Ryszard;  
ZAWISTOWSKI, Stanislaw

Histologic and histochemical changes in the kidney of rabbits  
after ligation of the renal vein. Acta med. Pol. 6 no.1:  
41-50 '65

1. Department of General and Experimental Pathology, Medical Academy, Gdańsk (Director: prof. dr. W. Szreder); 1Ind Clinic of Internal Medicine, Medical Academy, Gdańsk (Director: prof. dr. J. Penson); Department of Pathological Anatomy, Medical Academy, Gdańsk (Director: prof. dr. W. Czarnocki [deceased]) and Department of Histology and Embryology, Medical Academy, Gdańsk (Director: prof. dr. S. Hiller).

GODLEWSKI, Józef; TECZA, Zofia; KORNOBIS, Krystyna

Functional examinations of the connective tissue system in rheumatic fever in children. Postepy reumat. no. 3:26-36 1957.

1. Z Miejskiego Specjalistycznego Szpitala Dziecięcego im. J. Korczaka i z Kliniki Propedeutyki Pediatrii A. M. we Wrocławiu. Kierownik: prof. dr med. J. Godlewski.

(RHEUMATIC FEVER, physiol.

connective tissue system, funct. exam. in child. (Pol))

(CONNECTIVE TISSUE, in various dis.  
rheum. fever, funct. exam. in child. (Pol))

TECZA, Zofia (Wroclaw 8, Al. Kasprowicza 64/66)

Case of subacute bacterial endocarditis complicated by cardiac tamponade as a sequel of hemopericardium. Pediat. polska 32 no. 7: 824-827 July 57.

1. Z Miejsk. Spec. Szpitala Dziecięcego im. J. Korczaka we Wrocławiu  
Ordynator: z-ca prof. dr med. J. Godlewski.

(ENDOCARDITIS, SUBACUTE BACTERIAL, in inf. & child  
with hemopericardium & cardiac tamponade (Pol))

(PERICARDITIS, in inf. & child  
cardiac tamponade with hemopericardium & subacute bact.  
endocarditis (Pol))

(PERICARDIUM, hemorrh.  
hemopericardium with cardiac tamponade & subacute bact.  
endocarditis (Pol))

TECZYNsKA, Teodora; MATUSIAK, Jadwiga

Value of the Apgar score in determining the prognosis of the infant's health and life. Ginek. Pol. 36 no.9:1033-1038 S '65.

1. Z I Kliniki Poloznictwa i Chorob Kobiscych AM w Warszawie  
(Kierownik: prof. dr. med. T. Bulski).

DANILOV, P.M.; KONOVALOV, K.N.; TEDEK, L.I.; CHUDAYEVICH, M.G.

Improvements in the technology of smelting and pouring transformer steels. Fiz.met.i metalloved. 1 no.1:139-142 '55. (MLRA 9:3)

1. Kuznetskiy metallurgicheskiy kombinat imeni Stalina.  
(Sheet steel--Metallurgy)

*LEDER, A. I.*

DUBROV, N.F., kand. tekhn. nauk; MIKHAYLOV, O.A., kand. tekhn. nauk; FEL'DMAN, I.A.; DANILOV, A.M.; SOROKIN, P.Ya., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; BUTAKOV, D.K., kand. tekhn. nauk, dots.; SOYFER, V.M.; LATASH, Yu.V., mladshiy nauchnyy sotrudnik; ZAMOTAYEV, S.P.; BEYTEL'MAN, A.I.; SAPKO, A.I.; PETUKHOV, G.K., kand. tekhn. nauk; YEDNERAL, F.P., kand. tekhn. nauk, dots.; LAPOTYSHKIN, N.M., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; ROZIN, R.M.; NOVIK, L.M., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; LAVENT'YEV, B.A.; SHILYAYEV, B.A.; SHUTKIN, N.I.; GNUCHEV, S.A., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; LYUDERMAN, K.F., doktor-inzh., prof.; GRUZIN, V.G., kand. tekhn. nauk; BIRIN, S.Ya.; POLYAKOV, A.Yu., kand. tekhn. nauk; YUDCHENKO, A.I.; ABEYEV, P.Ya., prof., doktor; SAMARIN, A.M.; BOKSHITSKIY, Ya.M., kand. tekhn. nauk; GARNIK, G.A., kand. tekhn. nauk; MARKARYANTS, A.A., kand. tekhn. nauk; KRAMAROV, A.D., prof., doktor tekhn. nauk; TIKDER, L.I.; DANILOV, P.M.

Discussions. Biul. TSMIICHM no.18/19:69-105 '57. (MIRA 11:4)

1. Direktor Ural'skogo instituta chernykh metallov (for Dubrov).
2. Direktor TSentral'nogo instituta informatsii chernoy metallurgii (for Mikhaylov).
3. Nachal'nik nauchno-issledovatel'skogo otdela osobogo konstruktorskogo byuro tresta "Elektropech'" (for Fel'dman).
4. Nachal'nik martenovskoy laboratorii Zlatoustovskogo metallurgicheskogo zavoda (for Danilov, A.M.).
5. Laboratoriya protsessov stalevareniya Instituta metallurgii Ural'skogo filiala AN SSSR (for Sorokin).

(Continued on next card)

DUBROV, N.P.---(continued) Card 2.

6. Ural'skiy politekhnicheskiy institut (for Butakov). 7. Starshiy inzhener Bryanskogo mashinostroitel'nogo zavoda (for Soyfer). 8. Institut elektrosvarki im. Patona AN URSS (for Iatash). 9. Nachal'nik TSentral'noy zavodskoy laboratorii "Uralmashzavoda" (for Zamotayev). 10. Dnepropetrovskiy metallurgicheskiy institut (for Sapko). 11. Moskovskiy institut stali (for Yednural). 12. TSentral'-nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Gmichev, Lapotyshkin). 13. Starshiy master Leningradskogo zavoda im. Kirova (for Rozin). 14. Institut metallurgii im. Baykova AN SSSR (for Novik, Polyakov, Garnyk). 15. Nachal'nik tekhnicheskogo otdela zavoda "Bol'shevik" (for Lavrent'yev). 16. Starshiy inzhener tekhnicheskogo otdela Glavspetsstali Ministerstva chernoy metallurgii (for Shilyayev). 17. Zamestitel' nachal'nika tekhnicheskogo otdela zavoda "Elektrostal'" (for Shutkin). 18. Freybergskaya gornaya akademiya, Germanskaya Demokraticeskaya Respublika (for Lyudeman). 19. Zaveduyushchiy laboratoriyyey stali-nogo lit'va TSentral'nogo nauchno-issledovatel'skogo instituta tekhnologii i mashinostroyeniya (for Gruzin). 20. Starshiy master elektrostaleplavil'nykh pechey Uralvagonzavoda (for Barin). 21. Zamestitel' nachal'nika elektrostaleplavil'nogo tsikha zavoda "Sibelektrostal'" (for Fedchenko). 22. Zaveduyushchiy kafedroy metallurgii stali i elektrometallurgii chernykh metallov Leningradskogo politekhnicheskogo instituta (for Ageyev). 23. Zamestitel' direktora Instituta metallurgii im. Baykova AN SSSR, chlen-korrespondent AN SSSR (for Samarin).

(Continued on next card)

DUBROV, N.P.----(continued) Card 3.

24. Nachal'nik laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Bokshitskiy). 25. Zaveduyushchiy kafedroy elektrometallurgii Sibirskogo metallurgicheskogo instituta (for Kramarov). 26. Nachal'nik elektrostaleplavil'nogo tsekha Kuznetskogo metallurgicheskogo kombinata (for Teder). 27. Nachal'nik elektrometallurgicheskoy laboratorii Kuznetskogo metallurgicheskogo kombinata (for Danilov, P.M.).

(Steel--Metallurgy)

TOLSTOGUZOV, N. V., KONOVALOV, K. N., GLAZOV, A. N., TEDER, L. I., DANIVLOV, P. M.  
SHIRINKIN, E. N. AND GUDAYEVICH, M. G.  
(14)

"Vacuum Treatment of the MX 15-Steel and Commercial Experience of  
the Vacuum Transformer Treatment."

paper presented at Second Symposium on the Application of Vacuum Metallurgy.  
Moscow 1-6 July 1958

*Teder, L.I.*

133-58-4-9/40

AUTHORS: Konovalov, K. N., Korneva, N. K., Danilov, P. M.,  
Teder, L. I., Drobayazko, T. T. and Shtepa, A.S., Engineers.

TITLE: Gaseous Heating of Ingot Heads (Gazovyy obogrev  
pribyl'noy chasti slitka)

PERIODICAL: *Stal'*, 1958, Nr 4, pp 311-316 (USSR)

ABSTRACT: The use of an oxygen-coke-oven gas mixture for heating the hot tops of ingots weighing 5.6 to 6.7 tons developed on the Kuznetsk Works is described. The following optimal parameters for injector burner (Fig.1) were established: the diameter of the oxygen nozzle - 5 mm; the diameter of the mixing chamber - 16 to 18 mm; the diameter of the outlet 17 mm widening to 21 mm, the diameter of the tube for the gaseous mixture 1 1/2". Oxygen pressure 4-7 atm, coke oven gas pressure 200-350 mm H<sub>2</sub>O. Consumption of gas 40-70 m<sup>3</sup>/hr and of oxygen 15-30 m<sup>3</sup>/hr. Experiments were carried out on 6-ton ingots of open hearth steel using the usual and experimental hot tops (of a smaller cross section but better insulated). Floating hot tops (Fig.2) were also tested. The duration of heating varied from 60 to 90 min, depending on the Card 1/3 level of metal. The influence of gaseous heating on the

## Gaseous Heating of Ingot Heads

133-58-4-9/40

quality of steel was studied on transverse macro-templets cut out from the upper part of ingots after crop end (Fig.3). Chemical analysis indicated oxidation of aluminium, manganese and silicon (Fig.4). When bunkerite was added and carrying out heating under a protective layer of slag (by adding chamotte, furnace slag etc.) with a small addition of deoxidants, the oxidation of elements was stopped. The experimental results are shown in the Table. It was established that gaseous heating is possible, the quality of metal did not deteriorate and the yield of good semis increased by 5-7% due to a decrease in crop head from 17-18% to 10-11%. Similar experiments were carried out with stainless steel 1Kh18N9T. The results obtained indicated that the heating conditions (the ratio of the consumption of gas and oxygen and heating intensity) have a deciding influence on the oxidation of titanium and the quality of the macro-structure of steel. The following optimal conditions were established:

Heating periods.

	I	II	III
duration of heating period, min.	30-40	30-40	20-30
oxygen pressure, atm	6	5	4-3

Gaseous Heating of Ingots Heads

133-58-4-9/40

The pressure of coke oven gas should be increased to 2-3 atm (to avoid cooling of the burner). A maximum oxidation of titanium of 25% is observed when heating is carried out with an insufficient amount of protecting acid or fluid basic slag. The necessary amount of slag 5 to 7 kg should be added in 2-3 lots. By introducing into the slag titanium oxides and aluminium powder, the oxidation of titanium can be prevented. The quality of the metal obtained is satisfactory. Saving in metal due to a decrease in crop top - 6%. Further development of the process in order to decrease crop top to 6-8% should be carried out.

There are 1 table, 8 figures and 7 references, 6 of which are Soviet, 1 English.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat  
(Kuznetsk Metallurgical Combine)

Card 3/3

1. Steel--Manufacture 2. Ingots--Heating 3. Slags--Properties

Sov 133/58-9-9/29

AUTHORS: Teder, L. I., Monastyrskiy, V. Ya. and Mesyats, V.I.  
(Engineers)

TITLE: Smelting of Stainless Steel from Scrap Using Silico-Manganese  
(Vyplavka nerzhaveyushchey stali na otkhodakh s ispol'zovan-  
iyem silikomargantsa)

PERIODICAL: Stal', 1958, Nr 9, pp 801-802 (USSR)

ABSTRACT: On smelting stainless steel 1Kh18N9T an expensive and short in supply metallic manganese was usually used for alloying (about 10 kg/ton). This was introduced into the deoxidised bath. Cheaper manganese alloys could not be used as they contain carbon. On theoretical considerations the authors proposed to exclude the use of metallic manganese in smelting stainless steel and replace it with silico-manganese, introducing it after blowing the bath with oxygen. The choice of silico-manganese was based on the following basis: a) this is one of the cheapest manganese alloys with a low carbon content; b) it contains little phosphorus, the removal of which on smelting stainless steel presents considerable difficulties, and c) the introduction of silico-manganese permits decreasing the consumption of ferro-silicon on the reduction of chromium from slag. An analysis Card 1/2 of the results obtained in a large number of heats carried

sov/133/58-9-9/29

Smelting of Stainless Steel from Scrap Using Silico-Manganese

out by both methods (with metallic manganese and silico-manganese) indicated that the use of silico-manganese does not present any additional technological difficulties. The content of carbon in steel remained the same although instead of 9.8 kg/ton of manganese 15 kg/ton of silico-manganese was used. An increase in the chromium recovery decreased the consumption of ferrochromium (type Khr0000-Khr 000) by 6.75 kg/ton. The consumption of 75% ferrosilicon for deoxidation decreased by 3 kg/ton. The summary economic effect in one melting shop exceeded a million roubles per year. The wider application of the method in other works is recommended.

ASSOCIATION: Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Works)

Card 2/2

18(5)

SOV/148-59-1-8/19

AUTHORS: Levin, A.M., Docent, Candidate of Technical Sciences; Fedor, L.I.; Glazov, A.N.; Monastyrskiy, V.Ya.; Chernenko, A.D. and Alyavdin, V.A., Engineers

TITLE: Metal Refining in Intensified Smelting of Structural Electric Steel (Rafinirovaniye metalla pri intensifikatsii plavki koh-struktsionnoy elektrostali)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Chernaya metallurgiya, 1959, Nr 1, pp 71-81 (USSR)

ABSTRACT: Comparative tests were carried out on kinetics of harmful impurities with the use of conventional and experimental methods of structural steel smelting. The basic peculiarities of the experimental technology which caused intensification of smelting and reduced the smelting time by one hour, included: dephosphorization during the smelting process; use of gaseous oxygen; termination of smelting combined with oxidizing blowing-through; reduced quantity of burning-out carbon; preliminary deoxidation with silico-manganese and early addition of ferrosilicon plus coke dust, and ferrochrome; metal treatment by slag of the same metal at the moment of discharge. Results

Card 1/3

SOV/148-59-1-8/19

Metal Refining in Intensified Smelting of Structural Electric Steel

of the tests were compared and the following conclusions were made: Dephosphorization did not depend on the basicity of the slag and on the temperature, whereas the ferrous oxide content had a strong effect on phosphorus distribution between the metal and the slag; due to metal treatment by slag of the same metal, the desulfurization rate in the test method was higher than in the conventional technology; a strong effect of ferrous oxide on the desulfurization coefficient in the ladle was observed and therefore slag deoxidation prior to the discharge was imperative. The decrease of burning-out carbon did not increase the hydrogen content. Preliminary deoxidation and early addition of ferrosilicon dust caused speeded-up elimination of oxygen. Prior to the addition of agents with higher reducing capacities than those of carbon, the oxygen content depends on the carbon content and, in the case of "12KhN2A" steel on the silicon content. Mixing of the metal with the slag caused a decrease of the oxygen content during the discharge. The determination of non-metallic impurities was carried out by Engineer S.N. Yeremenko, who stated that, in spite of the shortened reduction time, intensified deoxidation created favorable conditions for eliminating impurities. The

Card 2/3

Metal Refining in Intensified Smelting of Structural Electric Steel

SOV/148-59-1-8/19

mixture of the metal with the reducing slag had a positive effect on the decrease of non-metallic impurities. The described method ensures the production of high quality metal. The author presents graphs comparing changes of the impurity content in experimental and conventional methods. There are 13 graphs and 1 Soviet reference.

ASSOCIATIONS: Sibirskiy metallurgicheskiy institut (Siberian Institute of Metallurgy). Kuznetskiy metallurgicheskiy kombinat (Kuznetsk Metallurgical Combine).

SUBMITTED: October 25, 1958

Card 3/3

SOV/133-59-4-10/32

AUTHOR: Levin, A.M., Docent, Teder, L.I., Monastyrskiy, V.Ya.,  
Glazov, A.N., Alyavdin, ~~V.A.~~, and Chernenko, A.D.,  
Engineers

TITLE: Intensification of Smelting Structural Electric Steel  
(Intensifikatsiya plavki konstruktsionnoy elektrostali)

PERIODICAL: 'Stal', 1959, Nr 4, pp 323-327 (USSR)

ABSTRACT: An investigation of the possibilities of intensifying the electric smelting process carried out on the Kuznetsk Metallurgical Combine during 1956-1957 is described. For this purpose 100 heats of structural steels were carried out (table 1) in which the following methods of intensification of smelting were tested: 1) the use of oxygen for the oxidation of admixtures; 2) combining of the end of the melting period with the beginning of oxidation; 3) dephosphorisation of metal during melting; 4) decreasing the amount of burned out carbon (up to 0.2%); 5) intensification of the deoxidation by the use of a preliminary precipitation deoxidation with complex deoxidants and with an addition of powdered ferrosilicon after the making of a reducing slag together with powdered coke; tapping of metal

Card 1/3

SOV/133-59-4-10/32

Intensification of Smelting Structural Electric Steel

together with slag with an energetic stirring;  
6) intensification of the desulphurisation process;  
7) intensification of alloying by starting it at the beginning of the reducing period. The comparison of changes in the composition of metal and slag during smelting by the usual and experimental practices for steel 40Kh is given in Fig 1 and 2 respectively, the comparison of mechanical properties of metal produced by the usual and experimental practices - table 2. Mean duration of the individual smelting periods and whole heats - table 3. It is concluded that the experimental technology of smelting electric structural steels can be used with advantage. The investigation of the metal produced by the experimental technology indicated that it is of satisfactory quality which was confirmed by a considerable decrease in the proportion of out of grade steel (from 0.872 to 0.186%). The mean duration of a heat is decreased by 1 hour which under operating conditions of the melting shop on the work increased the productivity of a furnace by 14% and

Card 2/3

SOV/133-59-4-10/32  
Intensification of Smelting Structural Electric Steel

decreases the specific power consumption by 80 kwhr/ton of steel. There are 2 figures, 3 tables and 11 references of which 9 are Soviet, 1 German and 1 American.

ASSOCIATION: Sibirskiy Metallurgicheskiy Institut i Kuznetskiy Metallurgicheskiy Kombinat (Siberian Metallurgical Institute and the Kuznetsk Metallurgical Combine)

Card 3/3

TENDER, L.I.

## PAGE 1: BIBLIOGRAPHY

307/343

Abdulayev and S.S. Emel'yanov po Stal'no-plitkobetoniom osnovam proizvodstva stali  
Primenenija vakuuma v metalurgii (Use of Vacuum in Metallurgy) Moscow, Izd-vo  
M. gos. zem., 1960. 324 p. Berlin also listed. 6,000 copies printed.  
Sovetskij Zurnal. Vakuum po Stal'no-plitkobetoniom osnovam proizvodstva stali.  
Emel'yanov po Stal'no-plitkobetoniom osnovam proizvodstva stali.  
Eng. Ed. A.M. Semenov. Corresponding Member, Academy of Sciences USSR. Ed. of  
Publishing House: Gid. Naukovedch. Tekh. Ed. S.G. Naukovedch.

PURPOSE: This collection of articles is intended for technical personnel interested  
in the latest status and developments of vacuum steelmaking practice and equip-  
ment.

CONTENTS: The book contains information on steel casting in vacuum induction fur-  
naces, use vacuum air furnaces, reduction processes in vacuum, and decreasing of  
heat and alloy. The possibilities of separation and equipment, especially  
vacuum furnaces and vacuum heating, are also analyzed. Possibilities are  
presented in vacuum melting of some of the articles will appear in the table  
of contents. Three articles have been translated from English. Some of the  
articles, Ed. and S. Biletski, Effect of Vacuum Treatment [in a Lecture] 127  
Biletski, Ed. and S. Biletski, Effect of Vacuum Treatment [in a Lecture] 127  
Biletski, Ed. and S. Biletski, Effect of Vacuum Treatment [in a Lecture] 127

Editorial. I. V. and F. I. Sosulin. Fundamental Principles of Vacuum-Treatment  
Techniques of Steelmaking 177

## PAGE 17. REDUCTION OF STEEL AND ALLOYS

North. Ed. A.I. Kostylev and A.M. Semenov. Vacuum Treatment of Bessemer  
Steel 145

Emel'yanov, N.S. and G.E. Pechauer. The Effect of Vacuum Treatment in Ladle  
on the Properties of Bessemer Cast Steel 151

Emel'yanov, N.S. and V.D. Kostylev. The Effect of Vacuum Treatment in Ladle  
on the Properties of Bessemer Cast Steel 155

Obolenskij, G.M., G.M. Slobodchikov, T.I. Ambrova, N.S. Tsvetova, I.I. Batalin, and  
N.B. Leshchenko. Use of Vacuum for Improving the Quality of Alloyed Steels  
Metallurgist, 1961, and N.D. Selenin. Does Theoretical and Practical Pro-  
blems of Steel Refining 165

Obolenskij, G.M., G.M. Slobodchikov, and V.I. Radchenko. The Effect of Vacuum  
Treatment of Metal Pouring on the Quality of Steel [the work was  
performed by the Design-Construction Bureau (Design-Construction  
Bureau Metallurgical Institute) and the Nizhne-Tagil'skij (Nizhne-Tagil'skij  
Electrical Steel Mill, in Taganskij raion) with the participation of engineers  
V.M. Kostylev, N.P. Kostylev, V.I. Biletski, I.D. Kostylev, A.I. Kostylev, and  
V.P. Semenov, A.I. Kostylev, P.A. Zaitsev, N.V. Vlasova and G.P. Peresypkin] 169

Obolenskij, G.M., G.M. Slobodchikov, A.I. Biletski, I.D. Kostylev, B.A. Chudovskij,  
V.P. Kostylev and V.P. Slobodchikov. Vacuum Treatment of Nizhne-Tagil'skij  
Steel and of Sibk. Steel [A.S. Slobodchikov, I.S. Klimenko, P.S. Plotnikov,  
V.P. Kostylev, V.P. Kostylev and P.A. Kostylev participated in the work] 175

Obolenskij, G.M., I.M. Kostylev and N.I. Kostylev. Investigation of Vacuum  
Treatment Steel for Casting 205

Obolenskij, G.M. and I.V. Kostylev. Investigation of Bessemer Inclusions  
in the Vacuum Treatment of Steel 211

Obolenskij, G.M., I.M. Kostylev, and T.M. Semenov. Investigation of the  
Properties of Steel Desulfurization in Vacuum by Means of a Mass Spectrometer 213

Obolenskij, G.M., O.P. Zolotukhin, and B.M. Semenov. The Effect of Vacuum and  
Inclusions on the Quality of Sulfides in Nizhne-Tagil'skij Cast Iron 213

Obolenskij, G.M. Investigation of Gas Liberation and Permeability of Gases  
in Vacuum 215

Obolenskij, G.M., R.I. Kostylev and A.M. Semenov. Desulfurization of Molten  
Iron Slag in Vacuum 223

Plotnikov, V.P. and V.V. Kostylev. Desulfurization of Bessemer Inclusions 226

Plotnikov, V.P. and V.V. Kostylev. Desulfurization of Bessemer Inclusions 226

Plotnikov, V.P., I.M. Kostylev, and T.M. Semenov. Investigation of the  
Properties of Steel Desulfurization in Vacuum by Means of a Mass Spectrometer 223

Plotnikov, V.P., O.P. Zolotukhin, and B.M. Semenov. The Effect of Vacuum and  
Inclusions on the Quality of Sulfides in Nizhne-Tagil'skij Cast Iron 223

Plotnikov, V.P. Investigation of Gas Liberation and Permeability of Gases  
in Vacuum

251

15

MONASTYRSKIY, V.Ya.; DUBROVIN, A.K.; LASKARONSKIY, E.N.; GLAZOV, A.N.;  
DANILOV, P.M.; KONOVALOV, K.N.; MIKHEYEV, V.G.; TEDER, L.I.

Improving the technology of smelting, pouring, and heating  
0 ~ 2Kh13 steel ingots. Metallurg 10 no.12:14-16 D '65.  
(MIRA 18:12)

1. Kuznetskiy metallurgicheskiy kombinat.

TEDER, L.O., inzh.

Mechanized production line for boehmite. Stroi, mat. 9 no.5:  
30-31 May '63. (MIRA 16:7)  
(Boehmite)

28(1)

PHASE I BOOK EXPLOITATION SOV/2238

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Spravochnik po elementam avtomatiki i telemekhaniki; elektromagnitnyye kontaktry i magnitnyye puskateli (Reference Manual on Automatic and Remote Control Components; Electromagnetic Contactors and Magnetic Starters) Moscow, Gosenergoizdat, 1959. 135 p. 27,000 copies printed.

Prilozheniye (Supplement) 21 p. (Inserted).

Comps.: I. Ye. Dekabrun and N.R. Teder; Ed. (Title page): B. S. Sotskov; Ed. (Inside book): V.I. Timokhina; Tech. Ed.: K.P. Vororin.

PURPOSE: This book is intended for engineering and technical personnel of establishments engaged in the design and production of equipment using electromagnetic contactors and magnetic starters.

COVERAGE: This is the second part of the "Spravochnik po elem-  
Card 1/4

## Reference Manual on Automatic (Cont.)

SOV/2238

entam avtomatiki i telemekhaniki" (Reference Manual on Automatic and Remote Control Components), compiled on the basis of official parts manuals, catalogs, specifications, descriptions, and instructions on adjustment and regulation. The book contains references to the selection, specifications, designs and schematic diagrams of electromagnetic contactors and magnetic starters. According to the author this reference manual does not replace the technical documentation now in force and, therefore, cannot be considered a legal document for presenting complaints. There are no references. No personalities are mentioned.

## TABLE OF CONTENTS:

## GENERAL INFORMATION

1. Directions for using the manual	3
2. System of contactor markings used in the book	3
3. Terms and symbols	3
Card 2/4	

Reference Manual on Automatic (Cont.)

SOV/2238

RECOMMENDATIONS ON THE SELECTION OF CONTACTORS

1. Classification of contactors	4
2. Basic requirements of contactors	4
3. Selection of contactors	4
4. Selection of components for thermal protection	5

SPECIFICATIONS OF ELECTROMAGNETIC CONTACTORS

1. Summary tables of contactors	6
2. Tables of modifications	50

SPECIFICATIONS OF MAGNETIC STARTERS

1. Summary tables	62
-------------------	----

Card 3/4

Reference Manual on Automatic (Cont.)

SOV/2238

2. Heaters for RT-type thermal relays built into magnetic starters

66

DESIGNS AND SCHEMATIC DIAGRAMS OF CONTACTORS AND MAGNETIC STARTERS

List of contactors appearing in the manual (see supplement)

List of magnetic starters appearing in the manual (see supplement)

AVAILABLE: Library of Congress

Card 4/4

JP/ec  
10-19-59

*N. R. TEDER*

PHASE I BOOK EXPLOITATION

SOV/4477

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki

Spravochnik po elementam avtomatiki i telemekhaniki; Vyp. 3: Rele vremeni, programmyye ustroystva, rele scheta, iskateli (Handbook on Components of Automatic Control and Remote Control, no. 3: Time Relays, Timers, Counting Relays, Selectors) Moscow, Gosenergoizdat, 1960. 136 p. Errata slip inserted. 30,000 copies printed.

Compilers: I. Ye. Dekabrun, and N. R. Teder; Ed. (Title page): B. S. Sotskov; Ed.: V. I. Timokhina; Tech. Ed.: N. I. Borunov.

PURPOSE: This handbook is intended for technical personnel engaged in the fields of automation and telemechanics.

COVERAGE: This third issue of the handbook on automation and telemechanical components describes relays and devices which make possible a definite program of circuit or process operation. It includes diagrams of relays and devices designed especially for this purpose and also material on

Card 1/3

## Handbook on Components of Automatic (Cont.)

SOV/4477

automatic telephone apparatus which are used in automated circuits. The parameters of each device are indicated in tables. No personalities are mentioned. There are no references.

## TABLE OF CONTENTS:

Section One. General Information	
Directions on the use of the handbook	3
System of marking	3
Terminology	3
Time relays	3
Electromagnetic time relays	3
Section Two. Technical Data	
I. Composite Tables	6
D-c time relays	6
A-c time relays	26
Timers	
Card 2/3	42

TEDER, P. I.

"An Investigation of Certain Relationships During the Collapse of  
Coal in a Large-Scale Slide." Cand Tech Sci, Inst of Mining, Acad Sci  
USSR, 28 Dec 54. (VM, 17 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR  
Higher Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

PROTOD'YAKONOV, Mikhail Mikhaylovich, prof., doktor tekhn.nauk;  
TEDER, Ro'land Igannesovich, kand.tekhn.nauk; KHODAKOV, I.K.,  
red.izd-vs; PROZOROVSKAYA, V.L., tekhn.red.; SHKLYAR, S.Ya.,  
tekhn.red.

[Investigating coal cutting by the wedging method] Issledovanie  
protsessa razrusheniia uglia metodom krupnogo skola. Moskva,  
Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 102 p.  
(MIRA 14:1)

1. Institut gornogo dela Akademii nauk SSSR (for Protod'yakonov,  
Teder).

(Coal mining machinery--Testing) (Coal--Testing)

BABOKIN, I.A.; SAKHOVALER, A.Yu.; TEDER, R.I.

Brief review of coal mining in the German Federal Republic. Upol'  
36 no.8:50-56 Ag '61. (MIRA 14:9)  
(Germany, West--Coal mines and mining)

PROTOD'YAKONOV, M.M., doktor tekhn. nauk, prof., red.; TEDER, R.I.,  
kand. tekhn. nauk, red.; VASIL'YEV, Yu.F., red.izd-va;  
PRUSAKOVA, T.A., tekhn. red.; GUSEVA, A.P., tekhn. red.

[Study of the physicomechanical properties of rocks relative  
to problems in controlling rock pressure] Issledovanie fiziko-  
mekhanicheskikh svoistv gornykh porod primenitel'no k zada-  
cham upravleniya gornym davleniem, stornik statei. Pod red.  
M. M. Protod'iakonova i R. I. Tedera. Moscow, Izd-vo Akad. nauk  
SSSR, 1962. 192 p. (MIRA 16:3)

1. Akademiya nauk SSSR. Institut gornogo dela. 2. Institut  
gornogo dela im. A.A.Skochinskogo (for Protod'yakov).  
(Rocks--Testing)

OSTROUSHKO, I.A.; TEDER, R.I., otv. red.; SHMELEV, A.I., red.izd-va;  
PROZOROVSKAYA, V.L., tekhn. red.; SABITOV, A., tekhn. red.

[Mining processes and instruments in rock drilling] Zaboinye  
protsessy i instrumenty pri burenii gornykh porod. Moskva,  
Gosgortekhizdat, 1962. 271 p. (MIRA 15:11)  
(Boring)

TEDER, R.I.

Determination of some mechanical characteristics of rocks in the  
Krivoy Rog Basin. Fiz.-mekh.svois., dav.i razr.gor.porod no.1:3-7  
'62. (MIRA 16:3)  
(Krivoy Rog Basin—Rocks—Testing)

PROTOD'YAKONOV, M.M., prof., doktor tekhn.nauk; TEDER, R.I., kand.tekhn.  
nauk

Use of the crushing method to determine the strength of hard rocks.  
Gor.zhur. no.4:43-44 Ap '62. (MIRA 15:4)

1. Institut gornogo dela im. Skochinskogo, Moskva.  
(Rocks--Testing)

PROTOD'YAKONOV, M.M., doktor tekhn. nauk, prof., otv. red.;  
KOIFMAN, M.I., doktor tekhn.nauk, prof., red.; TEDER,  
R.I., kand. tekhn.nauk, red. GEYMAN, L.M., red.;  
SIMKINA, G.S., tekhn. red.

[Mechanical properties of rocks] Mekhanicheskie svoistva  
gornykh porod. Moskva, Izd-vo AN SSSR, 1963. 169 p.

(MIRA 16:11)

1. Akademiya nauk SSSR. Institut gornogo dela.  
(Rocks--Testing) (Coal--Testing)

KOYFMAN, Mikhail Il'ich; IL'NITSKAYA, Yelena Ivanovna; KARPOV,  
Viktor Ivanovich; PROTOD'YAKONOV, M.M., prof., doktor  
tekhn. nauk, otv. red.; TEDER, R.I., otv. red.

[Resistance of rocks in a volume stressed state; some  
problems in the methodology of research] Prochnost' gorn-  
nykh porod v ob"emnom napriazhennom sostoianii; nekotorye  
voprosy metodiki issledovaniia. Moskva, Nauka, 1964. 32 p.  
(MIRA 17:11)

PROTOD'YAKONOV, Mikhail Mikhailevich; KUNYAN, Mikhail Il'ich;  
CHIRKOV, Sergey Yefimovich; KUNTYSH, Mikhail  
Filimonovich; TEDER, Rolland Logannessovich

[Strength certificate of rocks and methods of determining it] Pasporta prochnosti gornykh porod i metody ikh  
opredeleniya. [By] M.M. Protod'yakonov i dr. Moskva,  
Nauka, 1964. 76 p. (MIRA 18:1)

1. Moscow. Institut gornogo dela im. A.A. Skochinskogo.

PROTCD'YAKOV, Mikhail Mikhaylovich, prof., doktor tekhn. nauk;  
CHIRKOV, Sergey Yefimovich; TEDEK, R.I., otv. red.;

[Fracture and stability of rock in a massif] Treshchino-  
vatost' i prochnost' gornykh porod v massive. Moskva,  
Nauka, 1964. 65 p. (MIRA 17:11)

TEDER, R.I., kand.tekhn.nauk; PROTUD'YAKCHOV, M.M., doktor tekhn.nauk

Conference of the working Group for the investigation of rock  
strength in the International Bureau on Rock Mechanics. Ugol'  
40 no.3:74-75 Mr '65. (MIRA 18:4)

TEDER, V., inzh.

Improving the quality of engine repair. Avt.transp. 42 no.2:25-27  
F '64. (MIRA 17:3)

VASOJEVIC, S., doc.dr; DIKLIC, D., dr; TEDESKI, B., dr; TAKIC, S., dr;  
STANKOVIC, M., dr; CIRIC, D., dr; PETROVIC, M., dr.

Our experience with scarlet fever in 1957. Med.glasn. 14 no.7/8:  
387-390 Jl.-Ag '60.

1. Klinika za infektivne bolesti Medicinskog fakulteta u Beogradu  
(Upravnik: prof. dr M.Milosevic)  
(SCARLET FEVER epidemiol)

TEDESHVILI, N. D.

TEDESHVILI, N. D.: "Oxidation transformation of the tanning agent of tea leaves under the effect of polyphenoloxidase and peroxidase." Published by the Georgian Agricultural Inst. Min Higher Education USSR. Georgian Order of Labor Red Banner Agricultural Inst Tbilisi, 1956.  
(Dissertation for the degree of Candidate of Biological Sciences.)

S O: Knizhnaya Letopis, No 36, 1956, Moscow.

TINDESHVILI, N.D.

Role of polyphenoloxidase and peroxidase in the transformation  
of tannins in the tea leaf. Biokhim.chain.proissv. no.7:143-148  
'59. (MIRA 13:5)

1. Gruzinskiy sel'skokhozyaystvennyy institut, Tbilisi.  
(TIA) (TANNINS) (OXIDASES)

TIDESHLI, N.D.

*Effect of the humidity of air and the length of fermentation on  
the course of oxidation processes. Biokhim. chain. proizv. no.8;  
103-106 '60. (MIRA 14:1)*

1. Grujinskiy sel'skokhozyaystvennyy institut, Tbilisi.  
(Tea) (Oxidation)

BOKUCHAVA, M.A.; GULUA, K.P.; MAKHMUDOV, K.I.; TEDESHVILI, N.D.

Duration of leaf rolling and fermentation using new and old technologies.  
Biokhim. chain; proizv. no. 9:109-118 '62. (MIRA 16:4)

1. Institut biokhimii imeni A.N.Bakha, AN SSSR, Moskva i Nauchno-  
issledovatel'skiy institut chaynoy promyshlennosti, Ananuli.  
(Tea)

DIKLIC, Dragomir; TEDESKI, Vojka; TAKIC, Cveta; JORGACEVIC, Dragisa

Diagnostic value of Takata-Ara and cerebrospinal fluid tryptophan reactions in early diagnosis of tuberculous meningitis. Srpski arh. celok. lek. 89 no.2:203-207 F '61.

1. Klinika za infektivne bolesti Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Milorad Milosevic.

(TUBERCULOSIS MENINGEAL csf)

TEDEYEV, A.S.; SIMONIYA, V.T., red.

[Some problems related to the Laplace transformation]  
Nekotorye voprosy, sviazannye s preobrazovaniem Laplasa.  
Tskhinvali, IUGo-Osetinskii gos. pedagog. in-t, 1962. 9 p.  
(MIRA 17:10)

TEDEYEV, K.

6852. Tedeyev, K. Nekotoryye voprosy pchelovodstva. Staliniri,  
Gosizdat Yugo-Osetii, 1954. 127 s. s. ill. 21 sm. 1.000 ekz. 2 r.  
40 k. V per.-Na oset. yaz. (55-2194) 638.1

SO: Knizhnaya Letopis' No.6, 1955

TSAGARAYEV, M.Q., inzh.; KHURUMOV, S.D., inzh.; TEDEYEV, L.K., inzh.

Use of the shrinkage system in unstable rocks. Gor. zhur. no.9:  
72 3 '61. (MIRA 16:7)

1. Sadonskoye rudoupravleniye.  
(Mining engineering)

TEDEYEV, P.R.

Specializatsiya. Zemledelie 26 no.12:19-20 D '64

(MIRA 18:4)

1. Zaveduyushchiy sel'skokhozyaystvennym otdelom Severo-Osetinskogo oblastnoj komiteta Kommunisticheskoy partii Sovetskogo Soyuza.

TEDEYEV, P.R.

Specialization. Zemledelie 26 no.12,19-20 D '64. (MIRA 18:4)

1. Predsedatel' kolkhoza imeni Lenina Prigorodnogo proizvodstvennogo  
upravleniya, Severo-Osetinskoy ASSR.

32852  
S/044/61/000/012/007/054  
C111/C333

16.4000

AUTHOR: Tedeev, S. A.

TITLE: On the summation of double series and double integrals

PERIODICAL: Referativnyy zhurnal, Matematika, no. 12, 1961, 13-14,  
abstract 12B54. ("Tr. Stalinirsk. gos. ped. in-t", 1959,  
1, 237-277)

TEXT: The author investigates the summability of multiple series  
and of multiple integrals according to different methods in the complex  
domain, as well as the mutual relation between these methods. Let  
 $U = \{a_{mn}(z_1, z_2)\} E_1, E_2$  be an infinite matrix, the elements of which  
are functions of the complex variables  $z_1 \in E_1, z_2 \in E_2, z_i^0 \in \bar{E}_i$   
( $i=1, 2$ ).  $U$  is called a matrix of class  $R$  if its elements satisfy the  
conditions:

a.) There exists a constant  $M > 0$  such that

$$\sum_{m,n=0}^{\infty} |a_{mn}(z_1, z_2)| < M < +\infty, z_1 \in E_1 \quad (i = 1, 2);$$

Card 1/8